

MONARCH[®] 9493[™]

VEHICLE MOUNT INSTRUCTIONS

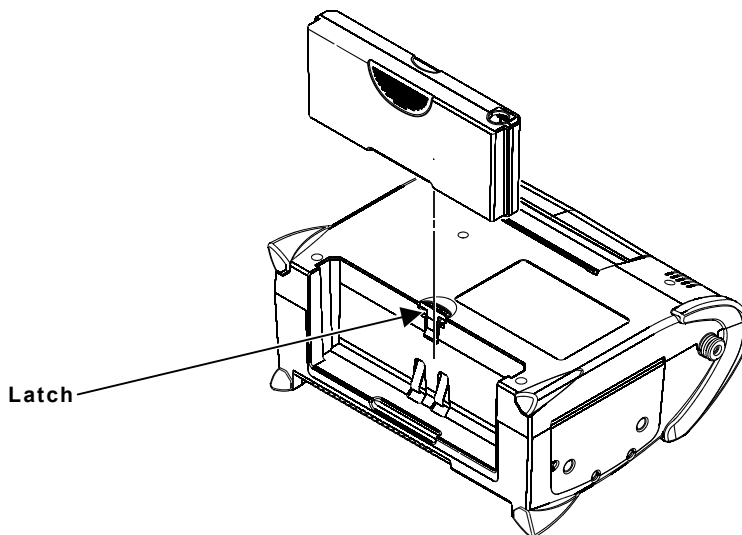
Using the vehicle mount, you can attach your Monarch[®] Sierra Sport4[™] 9493[™] printer to a forklift or other vehicle.

This document describes how to install and use the vehicle mount with the printer.

Installing the Battery

The printer has a battery for power; however, it uses the vehicle's battery to keep the printer's battery charged. The input voltage range is 12-72V. Refer to the printer's *Operator's Handbook* available on our Web site (www.monarch.com) for important battery information.

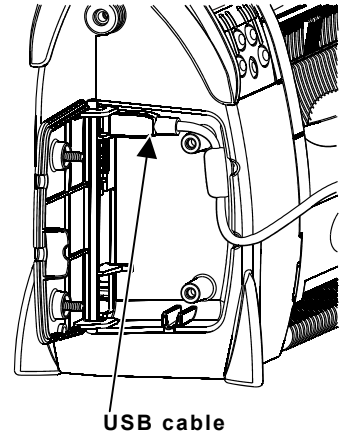
1. Turn off the printer when you change batteries.
2. Lay the printer down so the back of the printer faces up.
3. Remove the plastic from a new battery.
4. Slide the battery into the battery well in the bottom of the printer until it latches into place.



Connecting the Communications Cables

The printer uses either 9-pin serial communications or USB communications. For best results, use only Monarch® cables.

1. Open the hinged cable door on the side of the printer by loosening the two screws with a Phillips screwdriver.
2. Plug the DB9 connector into the DB9 serial port, or plug the type A or mini-B USB connector into the appropriate USB port.
3. Place the cable in one of the cable cavities.
4. Close the cable door and tighten the screws.

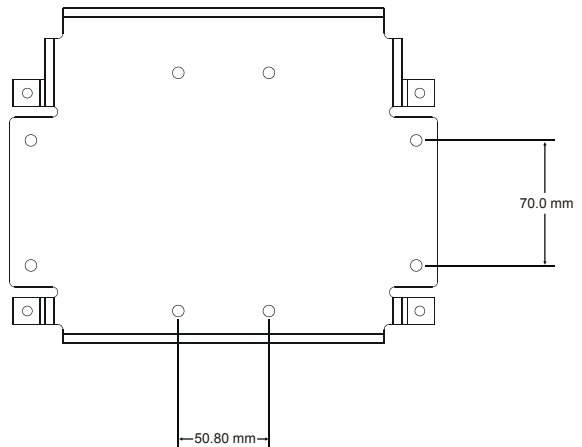


Installing the Mount

The vehicle mount is 9.5 inches (240 mm) wide and 7.5 inches (187.5 mm) long.

Following is a list of the mounting hardware included with the vehicle mount:

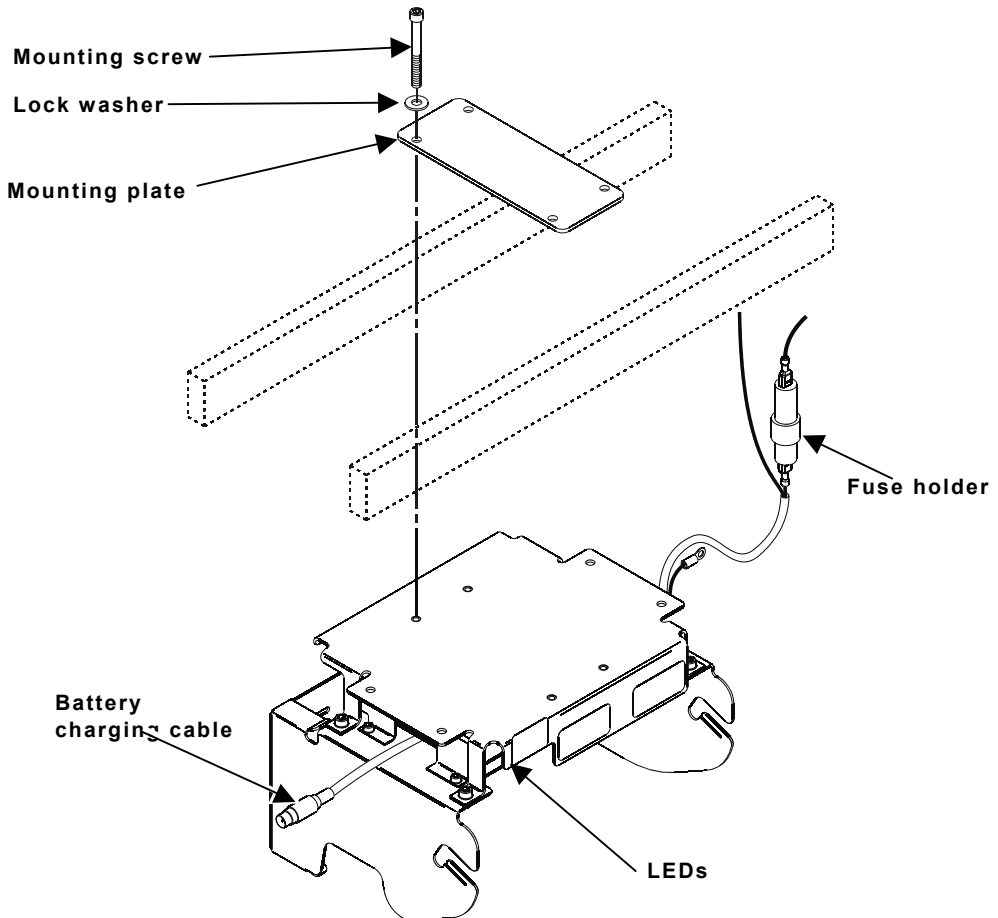
- ◆ four M6 60x2¼-inch screws (3/16-inch hex)
- ◆ four lock washers
- ◆ one mounting plate
- ◆ two aluminum strap buttons
- ◆ one M3 allen wrench



Overhead view of mount showing location and spacing of mounting holes.

Installing Overhead (Recommended)

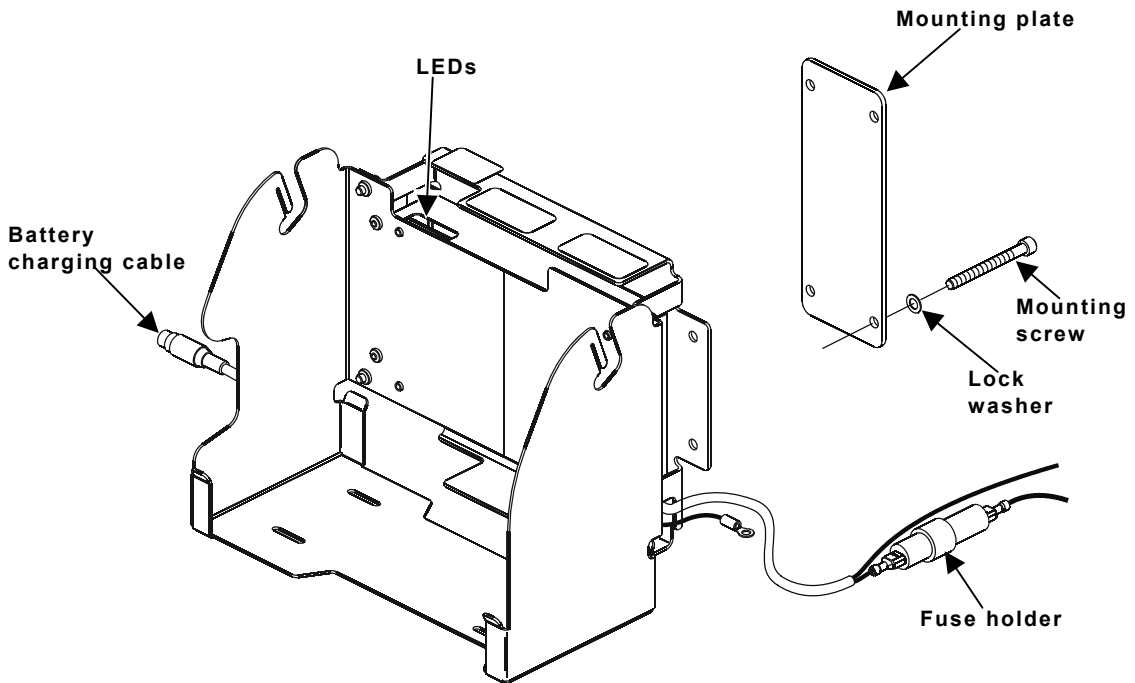
1. Select a suitable location for the mount on your vehicle.
2. If using the mounting plate, center the mounting plate on your vehicle's overhead rails.
3. Align the four holes in the vehicle mount with the holes in the mounting plate.
4. Use the four mounting screws and lock washers to attach the vehicle mount to your vehicle.
5. Wire the printer to your vehicle as needed. See "Electrical Specifications" for input information.



Installing Vertically or on a Tabletop

1. Select a suitable location for the mount on your vehicle.
2. If using the mounting plate, align the four holes in the vehicle mount with the holes in the mounting plate.
3. Use the four mounting screws and lock washers to attach the vehicle mount to your vehicle.
4. Wire the printer to your vehicle as needed. See “Electrical Specifications” for input information.

Note: If you install the vehicle mount on a tabletop, you need to rotate the display. Refer to the printer’s *Operator’s Handbook* available on our Web site for more information.

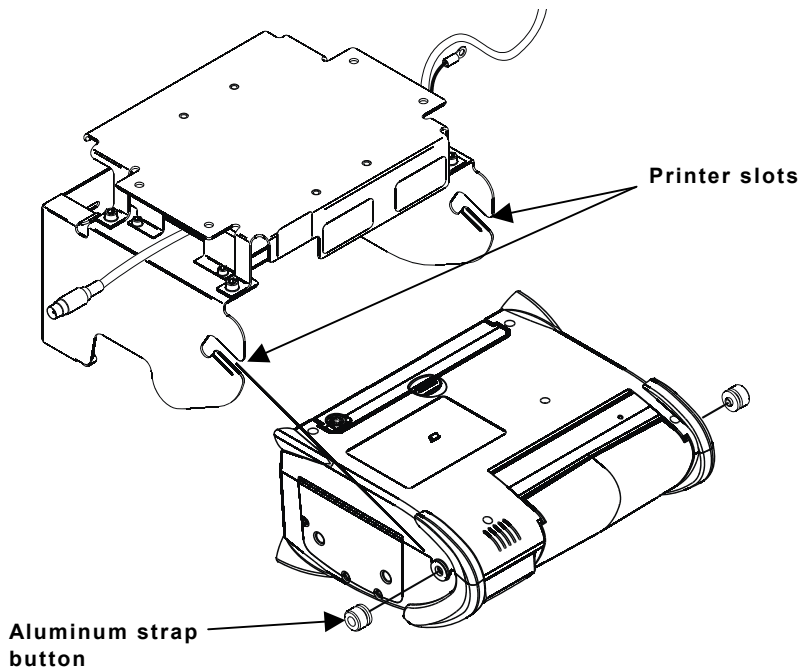


Vertical mounting position

Attaching the Printer

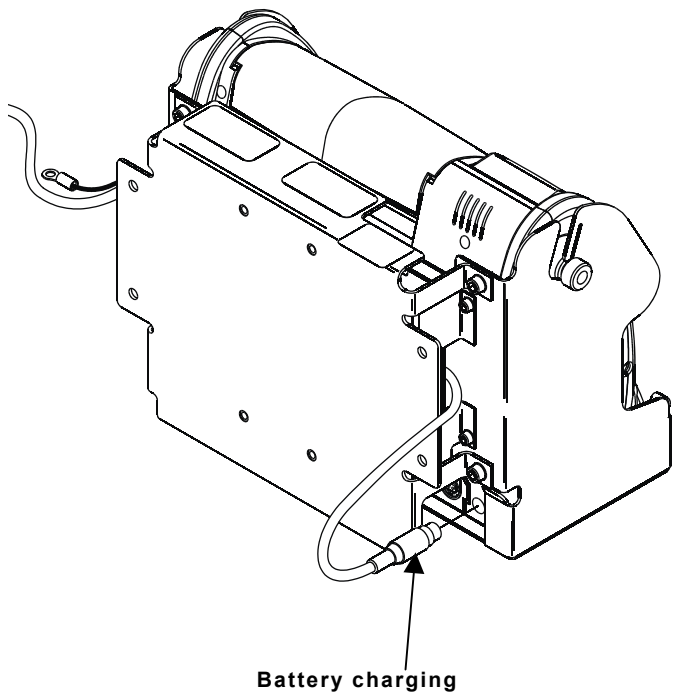
To attach the printer on the vehicle mount:

1. Use the M3 allen wrench to remove the plastic strap buttons on each side of the printer and replace them with the aluminum buttons included with the vehicle mount hardware.
2. Make sure the printer's battery and communication cable are installed.
3. Insert the printer into the slots on the vehicle mount using the strap buttons as a guide.



4. Push down firmly on the printer so it locks completely in place.

5. Plug the battery charging cable into the battery socket on the back of the printer.



Reading the LEDs

Three LEDs on the vehicle mount indicate the following activity:

LED Indicators		Status
Blue	on	power is on
	off	power is off
Green	off	no battery
	one blink	battery pre-charge
	two blinks	battery is charging
	three blinks	usable battery (80% capacity)
	on	battery charging is complete
Amber	blinking	error (call Service)

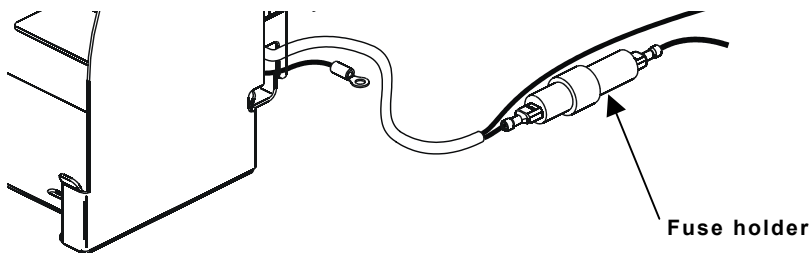
Printing

Refer to the printer's documentation for information on loading supplies and printing.

Replacing the Fuse

The vehicle mount uses a 10-amp, 125-volt fuse (order part 127983). The fuse is located on the cable on the right side of the vehicle mount. To replace it:

1. Push in and twist the fuse holder counterclockwise to open it.
2. Remove the fuse.
3. Insert a new fuse of equal rating. The replacement fuse must have a DC voltage rating of at least 125 volts.
4. Place the two halves of the fuse holder together and push in and twist clockwise to tighten it.



Electrical Specifications

Output is electrically isolated from the input. Output common is not connected to the forklift module chassis. It can be jumpered internally to the chassis. Call Service for more information.

For printer specifications, refer to the *Operator's Handbook*.

Supported Input Voltages

12V, 24V, 36V, 48V, 60V, 72V

Input Power

36 watts max at 12 volts

50 watts max at 72 volts

Input Current

To determine the input current, divide the input power (watts) by the input voltage.

Input Voltage Range

The printer accommodates 12-72 volt systems. The input is transient protected.

Operating Temperature

32-104°F (0-40°C)

0-95% humidity (non-condensing)